PROSCENE

EH7500

Professional Line

- WUXGA 6500 Lumens
- Lens shift
- Dual Lamp Mode
- Picture in Picture
- LAN Control
- Interchangeable Lenses

Lens sold seperately

CRESTRON RoomView® connected

COLOUR GUARANTEED 5 YEARS

Spectacular image quality, outstanding brightness and ultimate reliability

EH7500 - WUXGA, 6500L, Dual lamp

Professional Projector series

The NEW ProScene EH7500 is a natural progression of what we do best; the flagship projector platform brings WUXGA resolution, high brightness and rugged construction to rental and staging applications or premium installations.

A dual-lamp design delivers 6500 lumens, ultimate reliability and 24/7 operation to ensure that this projector is always ready to deliver. The dust-sealed design prevents dust and dirt from affecting the system – ensuring that image quality is maintained and maintenance costs are low.

Motorised lens shift, focus and zoom combined with the extensive lens options and interchangeable colour wheels, provide installation flexibility for simple, trouble free installations that deliver stunning image performance every time.

Why Choose Optoma

In addition to the proven reliability of DLP technology, there are a number of extra benefits you will gain by choosing one of our professional products for your installation

Certified Partner program

To gain the most from our support infrastructure, we are offering you the opportunity to join the Professional Line Certified Partner program; giving you direct access to the most up to date and relevant information & support instantly.

Local Service centres

Be safe in the knowledge that support is right where you need it, when you need it most with certified service centres throughout Europe; there is always help at hand.

Extended Lamp Warranty*

For that added peace of mind we offer up to 1 year or 2000 hours lamp warranty so you can be sure that down-time is minimised and your investments are effortlessly maintained

EH7500 features

- ✓ 6500L
- ✓ Native WUXGA (1920x1200) - 50% more pixels that SXGA+
- ✓ Dual Lamp – [multiple redundancy, longer service intervals, 24/7 operation]
- ✓ Installation flexibility- 5x Lens options, motorised lens shift, focus and zoom
- ✓ Interchangeable colour wheel – Tailor the performance to suit the application
- ✓ Extensive image & colour tuning options
- ✓ Picture-in-picture, side-by-side & logo capture functionality
- ✓ Environmentally friendly design <1W standby mode

DLP® Technology

DLP® technology from Texas Instruments® is widely known for its unmatched reliability and long lasting image performance. When combined with high brightness and native contrast, it is the obvious choice for large scale applications. Independent testing has proven DLP® to be the most reliable of all projector technology. While the competition can show severe image quality decline after only a few thousand hours, DLP technology remains unchanged over hundreds of thousands of hours.

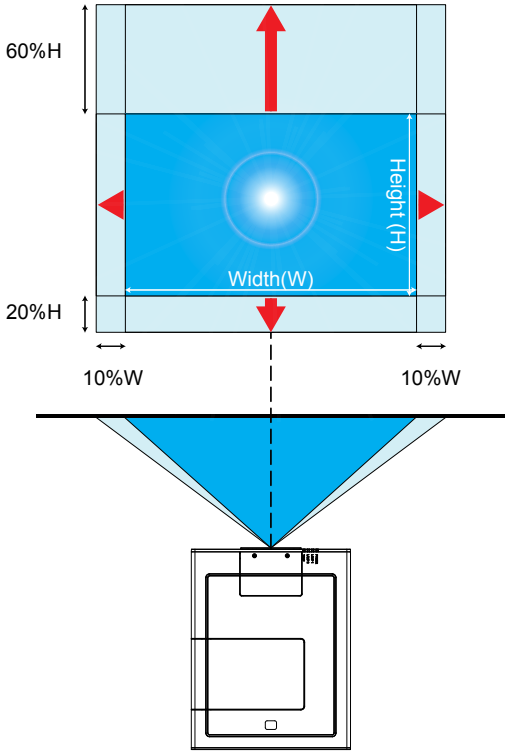
Project Green

We know that improving our products is the best way to reduce our impact on the environment. That's why at Optoma, we design our products to have a long usable life, use fewer materials, ship with the minimum packaging and be free of all possible toxic substances. Naturally, energy efficiency and being recyclable are built in at the design stage. With each new product, we strive towards minimising our environmental impact. For full details of Optoma Project Green please visit our website.

Installation Flexibility

To meet a variety of installation challenges that come with museums, lecture theatres, conferencing facilities and auditoriums, the EH7500 makes light work of installation.

The 5 optional lenses can be easily adjusted via motorised lens-shift*, zoom and focus.



Save money long-term using the embedded Crestron RoomView Network functions; fully combatable with both Express & Server edition for seamless integration, new and existing installs and controlled environments.

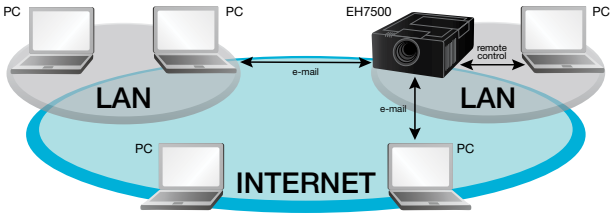
CRESTRON RoomView® connected

Download Crestron RoomView® Express for free at **www.crestron.com/getroomview**

System Integration Control

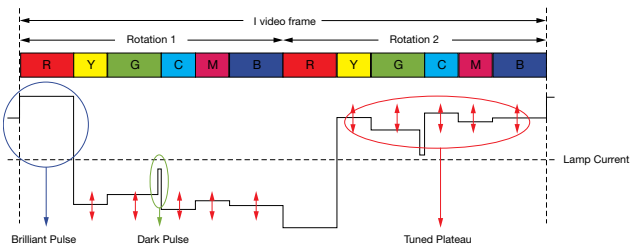
Web browser control/monitoring and email message aler

The EH7500 can be monitored over LAN and also provide the user with an email message alert in case an error occurs or a lamp fails or needs to be replaced. The web browser interface can also control all aspects of the EH7500.



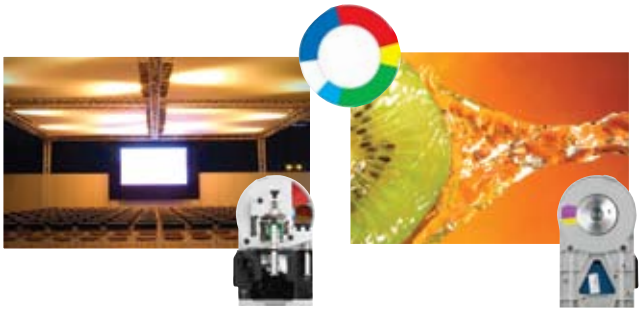
Improved Colour Control

Advanced lamp-pulsing technologies enable colour performance to be fine tuned directly from the lamp – this unprecedented control makes it possible to achieve vibrant, perfectly saturated colours across the whole light spectrum resulting in stunningly natural and life-like images.



Versatility

With two interchangeable colour wheels *(Bright & Video) whether you need high light output or extreme colour you can be sure the EH7500 makes the perfect image.



Standard wheel Optional wheel

Ultimate control

Cut up to 30% from your engergy bills using 24-hour automated power scheduling to ensure that projectors power off when not in use.

Direct Power On

The projector will start up instantly when power is supplied to the Unit. This eliminates the need to manually turn on the projector via the remote control or the keypad, ideal for use in rooms with a “master” power switch.

Signal Power On

The projector will power on when it receives a signal through one of the PC/video inputs. This ensures that the projector is only switched on when it is needed.

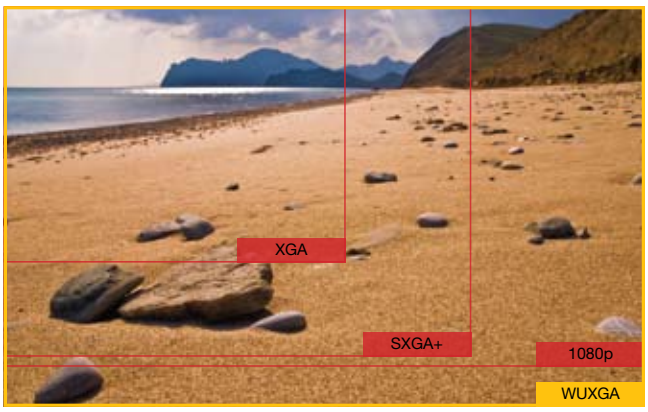
Auto Power Off

If after a pre-determined time the projector does not receive a signal, it will turn itself off automatically, conserving power and extending the life of the lamp.

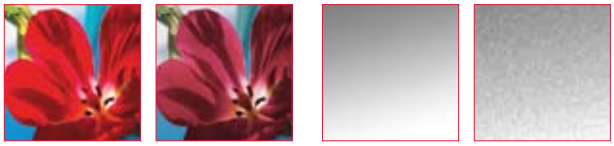
Eco Standby Mode

Reduces energy consumption to less than 1W when the projector is not in use.

image colour and size control



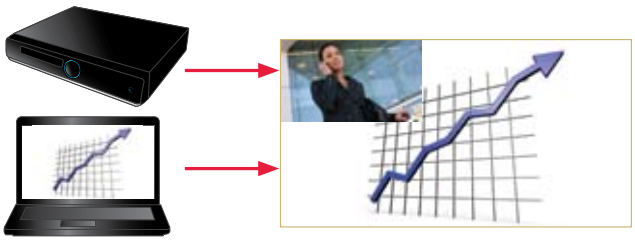
Where detail really matters, the full WUXGA (1920 x 1200) resolution offers 15% more pixels than 1080p and 60% more than SXGA+. This enables unscaled Full HD video and extra detail. Timestamp information can be displayed onscreen at the same time, perfict for soundtrack recording & video editing where precise timing can be critical.



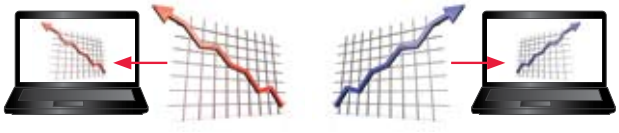
With Without With Without

Picture-in-Picture and Side-by-Side

Project two differant displays at the same time onto one screen. Insert a live video feed into presentations, static text or graphic



Compare two sets of data side-by side; the possibilities are endless.

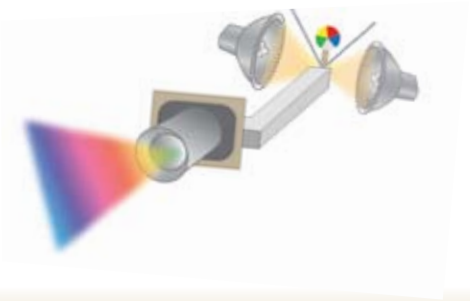


Amazing Colour

The EH7500 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Dual Lamps

The EH7500 is built around an advanced dual lamp light engine which increases flexibility by enabling the lamps to be used in several different ways. Both lamps can be controlled together, indivdually or set to alternate every 48 hours.

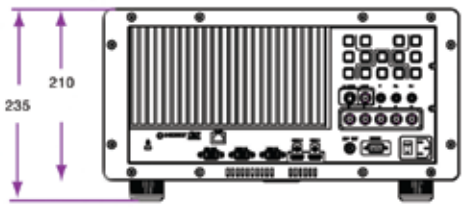


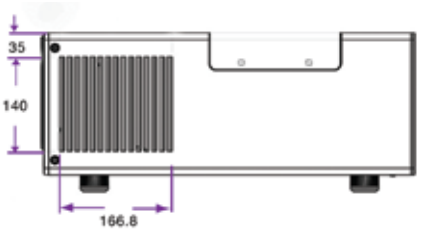
Lamp Relay mode

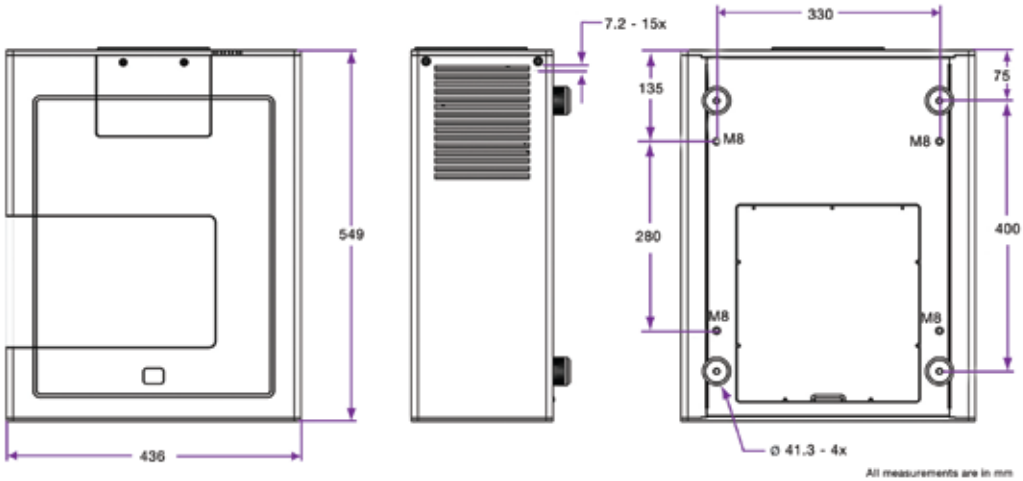
For challenging installations where the EH7500 is run for long periods, the Lamp Relay function can be used to automatically switch between lamps.

Optional Lenses

Optoma model name	WT1	WT2	ST1	TZ1	TZ2
Focal Lenght (f) (mm)	11.73	18.1 - 21.72	21.5 - 28.7	28.6 - 54.33	54.06 - 102.7
F number	2.2	2.2 - 3.33	2.0 - 3.0	2.2 - 3.0	2.3 - 3.16
Zoom Range (Ratio)	Fixed	1.2 x	1.33 x	1.9 x	1.9 x
Zoom & Focus Adjustment	Motorized				
Throw Ratio	0.77	1.2 - 1.45	1.45 - 1.94	1.94 - 3.67	3.67 - 6.98
Throw Distance (m)	0.5 - 8.3	0.78 - 15.6	0.94 - 20.9	1.25 - 39.5	2.37 - 75.2
Throw Distance (feet)	1.64 - 27.23	2.56 - 51.18	3.08 - 68.57	4.10 - 129.59	7.78 - 246.72
Projection Image Size					
Motorized Lens Shift	Fixed	Horizontal: + / - 10% offset Vertical:- 20%~ + 60% offset			

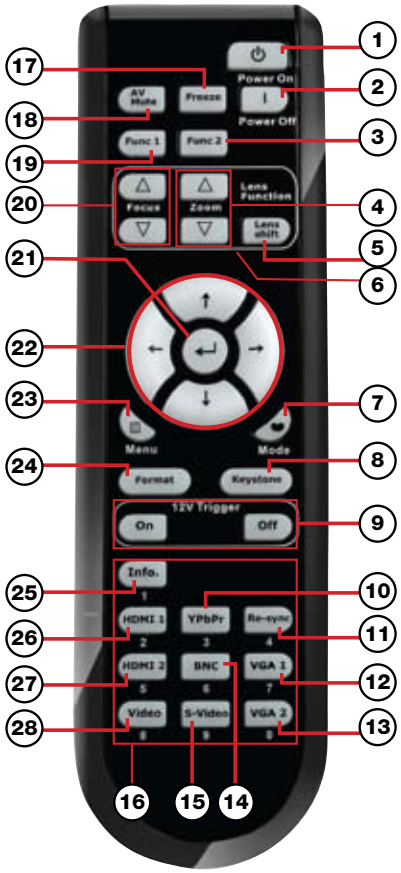






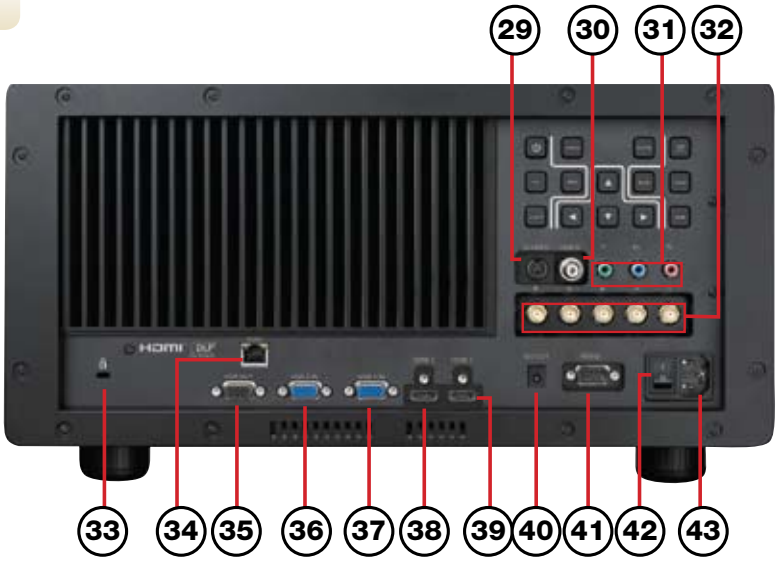
EASY TO USE REMOTE CONTROL

1 Power On
2 Power Off
3 Function 2
4 Lens Zoom +/-
5 Lens Shift
6 LED Indicator
7 Display Mode
8 Keystone +/-
9 TV Tigger On/Off
10 YPbPr
11 RE-sync
12 VGA 1
13 Audio In (VGA 1 & 2)
14 BNC
15 S-Video
16 Numberd keypad (for password input)
17 Freeze
18 AV Mute
19 Function 1 (Program may be seen page...)
20 Lens Focus +/-
21 Enter Help
22 Four Directional Select Keys
23 Menu
24 Format (Image Aspect Ratio)
25 Information
26 HDMI 1
27 HDMI 1
28 Video



INPUT/OUTPUT CONNECTIONS

29 S-Video Input Connector
30 Composite Video Input Connector
31 Component Video Input Connector (YPbPr)
32 BNC Input Connector (YPbPr/RGBHV)
33 Kensington™ Lock Port
34 RJ-45 Networking Connector
35 VGA-Out Connector (Monitor Loop-through Output)
36 VGA2-In/YPbPr Connector
(PC Analog Signal/Component Video Input/HDTV/YPbPr)
37 VGA1-In/YPbPr Connector
(PC Analog Signal/Component Video Input/HDTV/YPbPr)
38 HDMI 1 Connector
39 HDMI 2 Connector
40 12V Trigger Relay Connector (12V, 250mA)
41 RS-232 Connector (9-pin DIN Type)
42 Power Switch
43 Power Socket



KEY PAD

44 Power
45 Source
46 Re-Sync
47 Lens Shift
48 Info
49 Menu
50 Enter
51 Focus
52 AV Mute
53 Control Keys
54 Zoom

EH7500 SPECIFICATIONS

Resolution	Native WUXGA (1920 x 1200)	
Display Technology	0.67" WUXGA, DC3,Type A chip, DLP™ Technology by Texas Instruments	
Brightness - Dual lamp	6000 ANSI lumens/6500 centre lumens using "Bright" colour wheel	
Contrast	2000:1	
Noise Level	39dB	
Aspect Ratio	16:10 Native, 4:3 & 16:9 Compatible	
Colour Wheel Options	"Bright" 6 Segment RGBCYW / "Video" 6 segment RGBCYM	
Refresh rate	15kHz to 100kHz / 25Hz to 85Hz	
Video Compatibility:	PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i)	
Uniformity	95% (centre)	
Throw Ratio	Dependent upon lens:	
	1) WT1 - Short Throw	0.78 (Fixed)
	2) WT2 - Wide	1.22~1.47 (1.2x zoom)
	3) ST0 - Standard	1.45~1.95 (1.33x zoom)
	4) TZ1 - Long	1.93~3.71 (1.9x zoom)
	5) TZ2 - Extra Long	3.68~7.04 (1.9x zoom)
	ST1 – "high quality"	1.45~1.95 (1.33x zoom) also available
Lens Shift	+60% -20% V, ±10% H	
Keystone Correction	Horizontal +20° / Vertical ±20°	
Projection Types	Front, Ceiling Mounted, Rear, Rear Ceiling Mounted	
Lamp Type:	2x 330W	
Power Supply:	100 – 240V AC @ 50 – 60Hz	
Power Consumption /Operating Conditions	900W BRIGHT mode < 1W Standby mode 760W STD mode <1W Standby mode 5 ~ 35oC, Max. Humidity 85%, Max. Altitude 3000m	
INPUTS	HDMI x2	HDMI (with locking screw)
	BNC	(RGBHV)
	PC RGB	2 x 15 Pin D-Sub VGA
	Component	3RCA
	S-Video/Composite	4 pin Mini DIN / RCA
	Control	RS232 & RJ45
OUTPUTS	PC	(monitor loop-through) VGA Out
	+12V Trigger	Low-voltage DC connector
Weight / Dimensions (W x D x H)	23.3 ± 0.5kg (without lens) / 549 x 436 x 235mm	
Security:	1 Kensington Lock Port, Password Protection	
Remote Control:	Full Function remote, 4x IR code sets for controlling multiple units.	
Standard Accessories:	AC Power Cord, VGA Cable, Infra-Red Remote Control, Batteries x 2, User Manual CD, Quick Start Card, Warranty Card, WEEE card	

THROW DISTANCE CHART

Throw Distance EH7500

Diagonal Image Size	WT1		WT2				ST0 / ST1				TZ1				TZ2			
	Fixed (m)	Fixed (ft)	Min (m)	Min (ft)	Max (m)	Max (ft)	Min (m)	Min (ft)	Max (m)	Max (ft)	Min (m)	Min (ft)	Max (m)	Max (ft)	Min (m)	Min (ft)	Max (m)	Max (ft)
50"	1.18	3.88	1.84	6.02	2.23	7.32	2.20	7.22	2.96	9.71	2.93	9.61	5.61	18.42	5.57	18.27	10.68	35.05
60"	1.42	4.66	2.20	7.23	2.68	8.78	2.64	8.66	3.55	11.65	3.51	11.53	6.74	22.11	6.68	21.93	12.82	42.06
70"	1.66	5.44	2.57	8.43	3.12	10.25	3.08	10.11	4.14	13.59	4.10	13.45	7.86	25.79	7.80	25.58	14.96	49.07
80"	1.89	6.21	2.94	9.64	3.57	11.71	3.52	11.55	4.73	15.53	4.69	15.37	8.98	29.47	8.91	29.24	17.09	56.08
100"	2.37	7.77	3.67	12.05	4.46	14.64	4.40	14.44	5.92	19.42	5.86	19.22	11.23	36.84	11.14	36.54	21.37	70.10
150"	3.55	11.65	5.51	18.07	6.69	21.96	6.60	21.66	8.88	29.13	8.79	28.83	16.84	55.26	16.71	54.82	32.05	105.15
200"	4.73	15.53	7.34	24.10	8.92	29.28	8.80	28.88	11.84	38.83	11.72	38.44	22.46	73.69	22.28	73.09	42.73	140.20
250"	5.92	19.42	9.18	30.12	11.15	36.59	11.00	36.10	14.80	48.54	14.64	48.05	28.07	92.11	27.85	91.36	53.42	175.25
300"	7.10	23.30	11.02	36.15	13.38	43.91	13.20	43.32	17.76	58.25	17.57	57.65	33.69	110.53	33.42	109.63	64.10	210.30

For guide purposes only

Optoma Europe Ltd.
42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ
www.optoma.co.uk

*Optoma guarantees that in normal use, Optoma colour quality will be indistinguishable from when new. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (4) Over time worn lamps within all projector types will show a slight colour variance. *** Optoma guarantees that in normal use, the imager will retain image quality for at least 5 years and provide consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial environments where dust or smoke is excessive. Copyright © 2010, Optoma Europe Ltd. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments.

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